



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | NORMAL |
| CONTAMINATION | ABNORMAL |
| FLUID CONDITION | ABNORMAL |

Machine Id
SZLG730224
Component
Diesel Engine
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

FLUID CONDITION

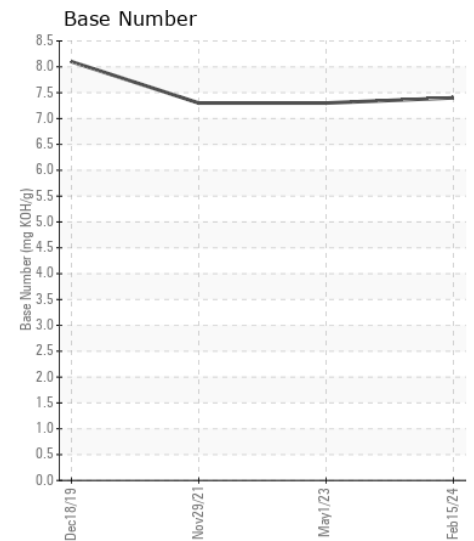
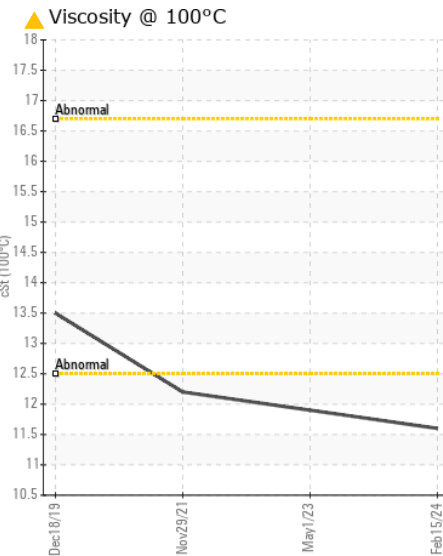
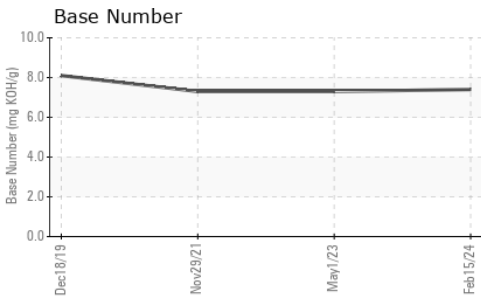
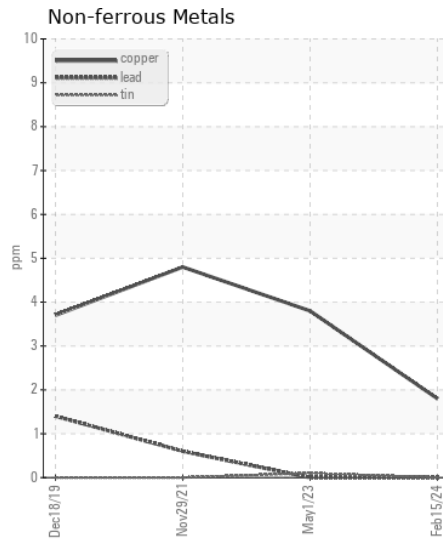
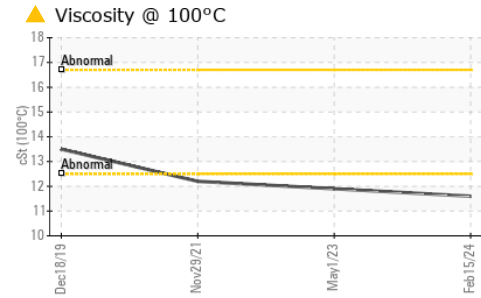
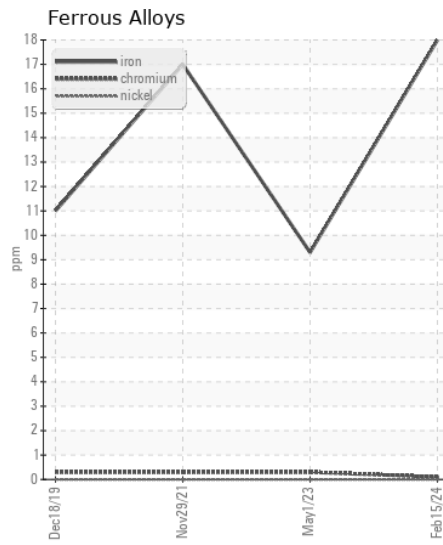
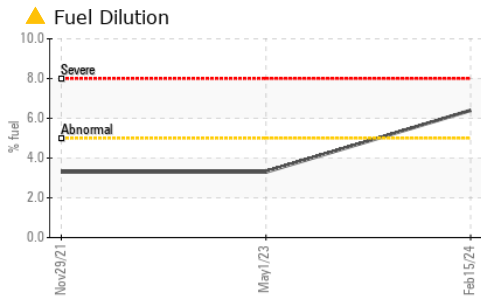
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0869100 | WC0814697 | WC0641919 |
| Sample Date | | Client Info | | 15 Feb 2024 | 01 May 2023 | 29 Nov 2021 |
| Machine Age | hrs | Client Info | | 7251 | 5658 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | Changed |
| Filter Changed | | Client Info | | N/A | N/A | Changed |
| Sample Status | | | | ABNORMAL | MARGINAL | MARGINAL |

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >100 | 18 | 9 | 17 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 2 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 2 | 0 | 3 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 2 | 4 | 5 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|----------|-------------|-------|--------------|--------------|--------------|
| Silicon | ppm | ASTM D5185m | >25 | 5 | 6 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 0 |
| Fuel | % | ASTM D3524 | >5 | ▲ 6.4 | ▲ 3.3 | ▲ 3.3 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >3 | 0.1 | 0.1 | 0.2 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.4 | 6.9 | 8.6 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.2 | 20.9 | 22.6 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

| | | | | | | |
|------------------|----------|-------------|-----|---------------|------|------|
| Sodium | ppm | ASTM D5185m | | 6 | 2 | 3 |
| Boron | ppm | ASTM D5185m | | 393 | 410 | 240 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 80 | 87 | 83 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 370 | 412 | 456 |
| Calcium | ppm | ASTM D5185m | | 1297 | 1465 | 1373 |
| Phosphorus | ppm | ASTM D5185m | | 942 | 971 | 713 |
| Zinc | ppm | ASTM D5185m | | 1099 | 1203 | 903 |
| Sulfur | ppm | ASTM D5185m | | 3085 | 3453 | 2283 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 16.1 | 15.3 | 18.8 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 7.4 | 7.3 | 7.3 |
| Visc @ 100°C | cSt | ASTM D445 | | ▲ 11.6 | 11.9 | 12.2 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0869100

Lab Number : 06099635

Unique Number : 10897865

Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 26 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 28 Feb 2024 - Wes Davis

DOLE FRESH FRUIT

PO BOX 725, ATTN: MAINTENANCE AND REPAIR

NEW CASTLE, DE

US 19720

Contact: LUIS LAPIERRE

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)